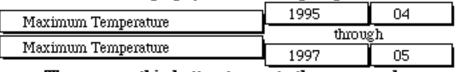# Using the GLOBE Graphing Tool

1. Open the GLOBE Visualizations location on the GLOBE Student Server.
2. Click on "What's New."
3. Click on "try out new system."
4. Click on "GLOBE Graphs - Time Plot of Student Data."
5. Select one of the methods to call up your school or another school of interest. If you use Method 2: Latitude-Longitude Search, type in the desired latitude or longitude (or both). If you leave one box or the other empty, it will search only on the requested coordinate. North latitudes and East longitudes are denoted by positive values. South latitudes and West longitudes are denoted by negative values. Therefore, 40N 70W would be entered as 40 and -70. To determine the size of the search swath, open the "Find the Schools Within" menu. One degree is roughly equivalent to 100 km. A wide swath can generate a large list of GLOBE sites which may cause your computer to freeze. If this happens, restart and select a narrower swath.
6. Click on school(s) of interest. You can create the following types of graphs:
   - 1 parameter for 1 school
   - 2 parameters for 1 school
   - 1 parameter for 2 schools
7. Click on "Plot Time Series" to begin the graphing procedure.
8. The following boxes enable students to select the parameter(s) and time period for the graph.

**To make a new graph, first choose plot parameters.**

| Maximum Temperature | 1995 | 04 |
|---|---|---|
| | through | |
| Maximum Temperature | 1997 | 05 |

**Then, press this button to create the new graph.**

Create Time Series Plot

Click on a box and select from the menu of choices. Click on the "Create Time Series Plot" button to generate the graph. The program sets the y-axis values to fit the data range. Different graphs of the same parameter from different schools may have different intervals on the y-axis.

Note: This tool will be upgraded periodically, and its presentation and capabilities will be enhanced.